



JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report
Minerals Regulatory Program
Report Date: November 9, 2006

Supervisor DBA

Mine Name: Hardaway
Operator Name: Ziegler Chemical and Mineral

Permit number: M0470072
Inspection Date: October 31, 2006
Time: 1:30-1:50 PM

Inspector(s): Paul Baker
Other Participants: None
Mine Status: Reclaimed

Elements of Inspection

1. Permits, Revisions, Transfer, Bonds
2. Public Safety (shafts, adits, trash, signs, highwalls)
3. Protection of Drainages / Erosion Control
4. Deleterious Material
5. Roads (maintenance, surfacing, dust control, safety)
6. Concurrent Reclamation
7. Backfilling/Grading (trenches, pits, roads,
8. Soils
9. Revegetation
10. Other

Evaluated	Comment	Enforcement
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:

I was in the area and wanted to re-examine vegetation cover.

Inspection Summary:

7. Backfilling and Grading

There are two trenches on the hill to the north of the mine (Photos 1 and 2), and there is also some waste Gilsonite (Photo 3). These areas do not appear to have been regraded.

9. Revegetation

The trenches are basically revegetated with volunteer vegetation.

The mine site in the bottom of the canyon has essentially no desirable vegetation (Photo 4). While surrounding areas have a lot of cheatgrass and other weeds, they also have some native shrubs, particularly greasewood. I did not attempt to measure vegetation cover in any of these areas.

Conclusions and Recommendations:

I recommend that the operator make another attempt to revegetate the mine site. Right now would be a good time to do this: the area has had recent rain, so cheatgrass has probably germinated, and scarifying the surface would kill much of the cheatgrass and allow more perennial species to become established.

I do not recommend that the trenches be regraded. The disturbances are small, and regrading would kill most of the established vegetation.

Inspector's Signature Paul Baker

Date: 11/13/06

ATTACHMENT

Photographs

M0470072, Hardaway Mine, Ziegler Chemical and Mineral

Inspection Dated: October 31, 2006; Report Dated: November 9, 2006



Photo 1. One of the two trenches on the hill above the mine site.



Photo 3. Waste Gilsonite on the hill above the mine.



Photo 2. The other trench.



Photo 4. The mine site is below the road in this photo. Note the Gilsonite trench on the canyon wall.